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Result
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Maximum DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Scoring table:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OM protein -
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                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                           Score
                                                                                     79.55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein search, using sw model
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length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                            Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Issued_Patents_AA.*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/ETUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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Maximum Match 100%
Listing first 45 summaries
                                   EDFILPVYKGELEKGYQFDG.....ATVLDKNNISSKSTTNNPNK 124
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2177
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                                                                                                                                                                                                                                                                                                                                                            DB
                                                                     US-09-134-001C-3856
US-09-134-001C-3868
US-09-134-001C-3868
US-09-024-020B-9
US-09-425-043-9
US-09-425-043-9
US-09-425-043-3
US-09-425-043-4
US-09-425-043-4
US-09-425-043-4
US-09-417-485D-6
US-08-881-094-17
US-09-317-885D-6
US-08-881-094-17
US-09-134-001C-3237
US-09-134-001C-5106
US-08-235-836C-74
5180810-1
         US-08-910-925-3
US-09-196-293-5
US-08-209-603E-5
US-08-235-836C-70
US-08-235-836C-78
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US-09-536-784-68
US-09-198-452A-509
US-08-296-791-5
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Sequence 5, Appli
Sequence 3856, Ap
Sequence 4968, Ap
Sequence 3868, Ap
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                  Sequence 3, Aps Sequence 5, Aps Sequence 5, Aps Sequence 70, I
                                                                         Patent No
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Sequence
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74.5	74.5	74.5	74.5	74.5	74.5	75	75	75	75	75	75	75.5	75.5	75.5	76.5	76.5	76.5
11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.6	11.6	11.6	11.8	11.8	11.8
529	415	402	402	242	112	732	732	732	732	290	290	442	299	299	1663	1588	1151
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US-09-464-483-2	US-08-675-816-2	US-09-414-664-4	US-09-464-483-4	US-08-929-329-7	US-09-328-352-8222	US-09-551-974A-18	US-09-022-765-18	US-09-183-861-18	US-08-533-669A-18	US-09-295-055-1	US-08-903-801-1	US-09-134-001C-3033	US-08-479-017-6	US-08-137-175A-6	PCT-US93-07261-16	PCT-US93-07261-11	US-09-134-001C-3242
Sequence 2, Appli	Sequence 2, Appli	Sequence 4, Appli	Sequence 4, Appli	Sequence 7, Appli	Sequence 8222, Ap	Sequence 18, Appl	Sequence 18, Appl	Sequence 18, Appl	Sequence 18, Appl	Sequence 1, Appli	Sequence 1, Appli	Sequence 3033, Ap	Sequence 6, Appli	Sequence 6, Appli	Sequence 16, Appl	Sequence 11, Appl	Sequence 3242, Ap

## ALIGNMENTS

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RESULT 1
US-08-961-083-68
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Patent No. 6159469
                                                         Matches
                                                                                    Query Match
                                                                                                                                                                                        TELEFAX: (301) 309-8512 INFORMATION FOR SEQ ID NO: 68: SEQUENCE CHARACTERISTICS: LENGTH: 117 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                 NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE DOCKET NUMBER: PB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-6504
                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                 TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Streptococcus pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 9410 Key West Avenue CITY: Rockville STATE: Marvin-
                                                     Local Similarity
mes 117; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: HP Vectra
OPERATING SYSTEM: MS
SOFTWARE: ASCII Text
                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                             TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 20850
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                 YKGELEKGYQFDGWEISGFEGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKPTFDVSK
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                                                         Conservative
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                                                                                                                                                 linear
                                                                                                                               protein
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                                                                                                                                                             single
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                                                                         100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3.50 inch, 1.4Mb storage
                                                                                                                                                                                                                                                                                     PB340P2
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                                                                       Score 615; DB 3;
Pred. No. 7.1e-60;
                                                         Mismatches
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                                                                                     Length 117
                                                         Indels
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US-09-536-784-68
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                 GENERAL INFORMATION:
APPLICANT: Griffals, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fra-
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis,
TITLE OF INVENTION: and treatment of infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 68, Application US/09536784
Patent No. 6573082
GENERAL INFORMATION:
                                                                                                                         Sequence 509, Application US/09198452A Patent No. 6559294
                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
FILE REFERENCE: 9710-003-999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/961,083
PILING DATE: OCT-30-1997
ATTORNEY/AGENT INFORMATION:
NAME: Michelle S. Marks
REGISTRATION NUMBER: 41,971
REGISTRATION NUMBER: 41,971
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/536,784
FILING DATE: 30-Oct-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb
COMPUTER: HP Vectra 486/33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Choi et. al. TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
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                                                                                                                                                                                                                                                                                                                                                                                                                              117;
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                                                                                                                                                                                                                                                                                 KKDNPQVNHSQLNESHRKEDLQREEHSQKSDSTKDVTATVLDKNNISSKSTTNNPNK 124
                                                                                                                                                                                                                                                                                                                                           YKGELEKGYQFDGWEISGFEGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKPTFDVSK 60
                                                                                                                                                                                                                                                                                                                                                                     YKGELEKGYQFDGWEISGFEGKXDAGYVINLSKDTFIKPVFKKIEEKKEEENKPTFDVSK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: MSDOS version 6.2 SOFTWARE: ASCII Text
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Human Genome Sciences, STREET: 9410 Key West Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KKDNPQVNHSQLNESHRKEDLQREEHSQKSDSTKDVTATVLDKNNISSKSTTNNPNK 117
                                                                                                                                                                                                                                                       KKDNPQVNHSQLNESHRKEDLQREEHSQKSDSTKDVTATVLDKNNISSKSTTNNPNK 117
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (301) 309-8512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: Maryland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Rockville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 117 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FOR SEQ ID NO: 68:
CE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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; Pred. No. 7.1e-60;
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LENGTH: 511
TYPE: PRT
                                                                                                                              Best
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                                                                                                               Matches
                                                                                                                                           Query Match
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GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 6849
                                                                                                                                                                                                                                                       TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Chlamydia pneumoniae
                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: 31,801
REFERENCE/DOCKET NUMBER: A-59941/RFT/RMS
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Ho
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Falkow, Stanley TITLE OF INVENTION: Haemop TITLE OF INVENTION: Protein
                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local 5
                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 25 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                              Local
                                                                                                                                                                                                                                                                                        TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
                                                                                                                                                                                                                                                                                                                                                                       NAME: Trecartin, Richard F
                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                                                                                                                                                             TOPOLOGY: unknown
                                                                                                                                                                                                                         LENGTH:
                                                1296 INTGSATAITETAEKSDKPQTETAASTEDASQHKANTVADNSVANNSESSEPKSRRRSI 1355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           155 GDLDRVGHDSNEDSTEDSRS---EGGEPSSKSSS 185
95 -- QKSDSTKDVTATVLDKNNISSKSTTNNPNK 124
: | : | | | | | | | | | 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION:
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                                                                              36 INLSKDTFIKPVFKKIEEKKEEENKPTFDVSKKKDNPQVNHSQLNESHRKEDLQREEHS-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         44 IKPVFKKIEEKKEEENKPTFD--------VSKKKDNPQVNHSQLNESHRK 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TRY: United States 94111-4187
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25-AUG-1994
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Pred. No. 1;
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GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: BUIDERMIDIS FOR DIAGNOST
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR APPLICATION NUMBER: US 60/055,779
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                                                                                                                                                                                Sequence 3856, Application US/09134001C Patent No. 6380370
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INFORMATION FOR SEQ ID NO:
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LENGTH: 1702 amino acids
TYPE: amino acid
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PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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REFERENCE/DOCKET NUMBER: FP-59941/RFT
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VENTION: Haemophilus Adherence and Penetration Protein
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27.2%; Pred. No. 1;
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er, Suite 3400
                                                                                                                  AMINO ACID SEQUENCES RELATING DIAGNOSTICS AND THERAPEUTICS
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SEQ ID NO 3868
LENGTH: 778
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TYPE: PRT
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US-09-134-001C-3868
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                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING
TITLE OF INVENTION: EPIDERWIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
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SEQ ID NO 3856
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SEQ ID NO 4968
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APPLICANT: Lynn Dou
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Patent No. 6380370
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Best Local Similarity
                      CURRENT APPLICATION NUMBER: US/09/134,001C CURRENT FILING DATE: 1998-08-13 PRIOR APPLICATION NUMBER: US 60/064,964 PRIOR FILING DATE: 1997-11-08 PRIOR APPLICATION NUMBER: US 60/055,779 PRIOR FILING DATE: 1997-08-14
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CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
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NUMBER OF SEQ ID NOS: 5674
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23; Conserv
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Pred. No. 0.
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Pred. No. 0.34;
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; TYPE: PRT ; ORGANISM: Staphylococcus epidermidis US-09-134-001C-3868
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                                                                        US-09-024-020B-9
Best Loc
Matches
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Best Local S
                                     Query Match
                                                                                                                                                                                                                           CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,447

FILING DATE: 26-FEB-1997

ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799

REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEPHONE: (650) 852-3097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: DELGAD
                                                                                                                                                                                               TELEFAX: (650) 855-5322
NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,020B
FILING DATE: 16-FEB-1998
                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 1976 amino aci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: SANGAMESWARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLI
                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                Local
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CITY: PALO ALTO
                                                                                                        STRANDEDNESS:
TOPOLOGY: lir
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 l Similarity
27; Conserv
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   Conservative
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                                                                                     peptide
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                  13.1%; Score 85; DB 3; Length 1976; 25.2%; Pred. No. 2.3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          43
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                                                                                                                                                                                                                                                                 34,799
HER: R0020B-REG
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   25;
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Pred. No. 0.68;
   Mismatches
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 47; Indels
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                                                                                                                                                  Best Local Similarity Matches 27; Conserv
                                                                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (650) 855-5322 INFORMATION FOR SEQ ID NO: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 60,
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 16-FEB-1998
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FORM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #11.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                              MOLECULE TYPE: peptide
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                  STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: JANET PAULINE CLARK STREET: 3401 HILLVIEW AVENUE, M
                                                                                                                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                                                        LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE:
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 1045 TGV-DIHRNGDFOKNGNGTTSGIGSSVEKYIIDEDHM---SFINNPN 1087
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                                                                       989 EMNNLQISVIRIKKGVAWT-KVKVHAFMQAHFK---QREADEVKPLDELYEKKANCIANH 1044
                                   77 SQLNESHRKEDLQREEHSQKSDSTKDVTATVLDKNNISSKSTTNNPN 123
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                                                                                                            17 QFDGWEISGFEGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKPTFDVSKKKDNPQVNH 76
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VENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      U.S.A.
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                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                     (650) 852-3097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HILLVIEW AVENUE, MS A2-250
                                                                                                                                                                                                                                                                                  single
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                                                                                                                                                                   13.1%; Score 85; DB 25.2%; Pred. No. 2.3;
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                                                                                                                                                    Mismatches
                                                                                                                                                                                     DB 4; Length 1976;
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                                                                                                                                                    Indels
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                                                                                                                                                                                           RESULT 12
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                                                                                                                                      Sequence 3, Appli
Patent No. 633517
                                                                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local Similarity
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PRIOR APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
14.799
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/09024020B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTOKNALI, TANEL F.

NAME: CLIARK, JANEL F.

REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R002
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1952-3097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (650) 855-53
INFORMATION FOR SEQ ID NO:
                                               APPLICANT:
                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/09/024,020B FILING DATE: 16-FEB-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM:
SOFTWARE: PatentI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH:
                                                                                                                                                                                                                                              1047 TGV-DIHRNGDFQKNGNGTTSGIGSSVEKYIIDEDHM---SFINNPN 1089
                                                                                                                                                                                                                                                                                                                991 EMNNLQISVIRIKKGVAWT-KVKVHAFMQAHFK---QREADEVKPLDELYEKKANCIANH 1046
                                                                                                                      INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                     27;
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94304-1397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            amino acid
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INVENTION:
                                                                                                                                                     Application US/09425043
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HERMAN, RONALD C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DIETRICH,
              SANGAMESWARAN, LAKSHMI VENTION: NOVEL CLONED
                                                 HERMAN, RONALD C.
                                                                                 DELGADO, STEPHEN G.
DIETRICH, PAUL S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PatentIn Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FISH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DELGADO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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YSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JANET PAULINE CLARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Floppy disk
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                                                                     LINDA M.
                                                                                                                                                                                                                                                                                                                                                                                                     13.1%;
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SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ω
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                                                                                                                                                                                                                                                                                                                                                                                                    Score 85; DB 3; Length 1978; Pred. No. 2.3;
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                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                  TETRODOTOXIN-SENSITIVE
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US-09-024-020B-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0.
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 60
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,7
                                                                                                                                                                             TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: ROTELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
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CITY: PALO ALTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/425,043 FILING DATE:
                                                        COUNTRY: U.S.A. ZIP: 94304-1397
                                                                                                      STREET: 3401 HII CITY: PALO ALTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                        INFORMATION:
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27; Conserv
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                                                                                                                                                                                                              HERMAN, RONALD C.
SANGAMESWARAN, LAKSHMI
VENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (650) 855-5322
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                                                                                                                                                                                                                                                                     FISH, LINDA M.
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                                                                                                                                                                                                                                                                                                      STEPHEN G
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                                                                                                                                                                                                                                                                                      PAUL S.
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CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/0: FILING DATE: 16-FEB-1998

US/09/024,020B

OPERATING SYSTEM: SOFTWARE: Patentl

PC-DOS/MS-DOS

Release #1.0, Version #1.30

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APPLICATION NUMBER: US 60/039,447

FILING DATE: 26-FEB-1997

ATTORNEY/AGENT INFORMATION:

NAME: CLARK, JANET P.

REGISTRATION NUMBER: 34,799

REFERENCE/DOCKET NUMBER: R0020B-REG

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 852-3997

TELEFAX: (650) 855-5322

INFORMATION FOR SEQ ID NO: 4:
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Best Local Similarity
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APPLICANT: DELGAD
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                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 16-FEB-1998
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                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                     STREET: 3401 HII CITY: PALO ALTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
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APPLICATION NUMBER: US 60/039,447
                                                                                  CLASSIFICATION:
                                                                                                                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                ZIP: 94304-1397
                                                                                                                                                                                                                                                                              COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                      HERMAN, RONALD C.
SANGAMESWARAN, LAKSHMI
SANGAMESWARAN, LAKSHMI
VENTION: MOVEL CLONED TETRODOTOXIN-SENSITIVE
VENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
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25.2%; Pred. No. 2
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                                       US 09/024,020
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RESULT 16
US-09-417-485D-6
; Sequence 6, Application US/09417485D
; Patent No. 6541202
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Best Local Similarity
Watches 32; Conserv:
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US-09-370-838-185
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                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Homo sapien US-09-370-838-185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: FASUSEQ for Windows Version 3.0 SEQ ID NO 185
LENGTH: 746
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Patent No. 6444425
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR US FILE REFERENCE: 210121.475C1
CURRENT APPLICATION NUMBER: US/09/370,838
CURRENT FILING DATE: 1999-08-09
EARLIER APPLICATION NUMBER: US 09/285,323
EARLIER FILING DATE: 1999-04-02
RUMBER OF SEQ ID NOS: 289
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APPLICANT: Secrist, Heather
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REFERENCE/DOCKET NUMBER: RO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEPAX: (650) 855-5322
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TOPOLOGY: lin
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                                                                                                                                                                                                    175 WKQDTPKSKAGYVQEEQKKQETPKLWPVQLQKEQ-DPKKQTPKSWTPSMQSEQNTTKSWT 233
                                                                                                                                                              119 T 119
                                                                                                                                                                                                                                                                                115 GQEKKQESFKSWEASGKHQEVSKPAVSLEQRKQDTSKLRSTLPEEQKKQEISKSKPSPSQ 174
                                                                                                                       234 T 234
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                                                                                                                                                                                                                                                                                                                                                      12.3%; Score 80; 1 nilarity 26.4%; Pred. No. 2. Conservative 21; Mismatche
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RESULT 17
US-08-881-094-17
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CURRENT APPLICATION NUMBER: US/08/881,094A
CURRENT FILING DATE: 1997-07-09
EARLIER APPLICATION NUMBER: 08/308,887
EARLIER APPLICATION NUMBER: PCT/US93/02428
EARLIER APPLICATION NUMBER: PCT/US93/02428
EARLIER FILING DATE: 1993-03-18
EARLIER APPLICATION NUMBER: 07/885,412
EARLIER APPLICATION NUMBER: 07/528,956
EARLIER APPLICATION NUMBER: 07/528,956
EARLIER APPLICATION NUMBER: 07/528,956
EARLIER APPLICATION NUMBER: 07/528,956
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SOFTWARE: Patentin Ver. 2.
SEQ ID NO 6
SEQ ID NO 6
LENGTH: 2184
TYPE: PRT
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                                                                                                                                                                                                                                 SEQ ID NO 17
LENGTH: 194
TYPE: PRT
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                                                                                                                 Matches
                                                                                                                                                     Query Match
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Best Local :
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Patent No. 6022739
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NAME/KEY: unsure
LOCATION: (330)...(335)
OTHER INFORMATION: Xaa
OTHER INFORMATION: Xaa
                                                                                                                                                                                             ORGANISM: Solanum tuberosum .08-881-094-17
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APPLICANT: Metz, Anneke M.
APPLICANT: Love, Ruschelle A.
TITLE OF INVENTION: Telomerase Reverse Transcriptase (TERT) Genes
FILE REFERENCE: 47714-5009-US
CURRENT APPLICATION NUMBER: US/09/417,485D
CURRENT FILING DATE: 2002-06-14
                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Pearce, Gregory L
APPLICANT: McGurl, Barry F
                                                                                                                                                                                                                                                                                                          NUMBER OF SEQ ID NOS: 43
                                                                                                                                                                                                                                                                                                                          EARLIER APPLICATION NUMBER: PCT/US91/03685
EARLIER FILING DATE: 1991-05-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Systemin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Ryan, Clarence A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Plasmodium falciparum
                                                                                                                                   Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        305 KDKLLPEIDFFSEDRKEKSSSVGYDXKKK-----NXSNIKRFHNKINRTKEEKKKKWNK 358
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                                                                           GFEGKKDAGYVINLSKDTFIKPVFK-----KIEEKKEEENK-----
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                                     GGDGKEK-----NVEKETISKCIIKIEGDDAQEKIKVEYEEEEYEKEKIVEKGSPSQDIN 117
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KKKDNPQVNHSQLNESHRKEDLQREEHSQKSDSTKDV 103
                                                                                                                 Conservative
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Xaa
                                                                                                             12.2%; Score 79.5; DB 3; Length 194; 24.7%; Pred. No. 0.43; ative 18; Mismatches 22; Indels 3
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25.9%;
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Pred. No. 9.3;
17; Mismatches
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335
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9.3;
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                                                                                                                                                                                                                               ; ORGANISM: Staphylococcus epidermidis US-09-134-001C-5106
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US-09-134-001C-3237
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SEQ ID NO 3237
LENGTH: 262
TYPE: PRT
                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5106
LENGTH: 1177
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APPLICANT: LYNTH DOUGETTE-Stamm et al

APPLICANT: LYNTH DOUGETTE ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                     Matches
                                                                                                                                                                         Query Match
Best Local :
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                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR APPLICATION NUMBER: US 60/055,779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
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                                                                                                                                                                                                                                                                                                                                                  PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: GTC-007
                                                                                                                                                                                                                                                                     TYPE: PRT
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444 EYHELDDNRQQNQSNSQDDIISSKSSTSN 472
                                      104 TATVLDKNN----
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5. 6380370
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                                                                                                                                                     l Similarity
27; Conserv
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                                                                          IDNKEAQNNTPLFNYEEIDLDTTSDVYKVNEEE-TESKNDEDLVSSNHYHSNDDAEVEDA 443
                                                                                                              IEEKKEEENKPTF----
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                                                                                                            -DVSKKKDNPOVNHSOLNESHRKEDLOREEHSOKSD--STKDV 103
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                                                                                                                                                                     Score 79.5; DI Pred. No. 4.7;
                                                                                                                                                     Mismatches
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RESULT 21
5.180810-1
; Patent No. 5180810
; APPLICANT: Gomi, Hideyuki; Hozumi, Tatsunobu; Hattori, Shizuo;
; Tagawa, Chiaki; Kishimoto, Fumitaka; Bjorck, Lars
; Tifle OF INVENTION: PROTEIN H CAPABLE OF BINDING TO IGG
; NUMBER OF SEQUENCES: 4
; NUMBER OF SEQUENCES: 4
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                                                                       SEQ ID NO:1:
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Best Local Similarity
Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
                                                                                         CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/
FILING DATE: 07-JUL-1989
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: NO TITLE OF INVENTION: BO NUMBER OF SEQUENCES: 1 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 01-11-93
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Dunn, John J.
APPLICANT: Luft, Benjamin J
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                                                        LENGTH: 376
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REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: U
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                                                                                                                                                                                                                                                                                                                        376
                                                                                                                                                                                                                                                                                                                                                                                            316 LDIQRDTVREKLQENINETNKEKNLPKPGDVSSPKVDKQLQIKESLEDLQEQLKETGDEN 375
                                                                                                                                                                                                                                                                                                                                                         84 RKEDLQREEHSQKSD-----STKDVTATVLDKNNISSKSTTNNPNK 124
                                                                                                                                                                                                                                                                                                                                                                                                                                 36 INLSKDTFIKPVFKKIEEKKEEENKP-TFDVSKKKDNPQVN------HSQLNES---H
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
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                                                                                                                                                                                                                                                                                                                      QKREIEKQIEIKKSDEKLLKSKDDKASKDGKALDLDR-ELNSKASSKEKSK 425
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       700 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (516) 282-7338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-APR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      No. 6248562el Chimeric Proteins Comprising Borrelia Polypeptides and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12.1%; Score 78.5; 24.3%; Pred. No. 3;
12.0%;
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                                                                                                              US/07/376,641
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Score 78;
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9
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Length 376;
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70 DNPQVNHSQLNESHRKEDLQREEHS---QKSDSTKDVTA--TVLDKNNISSKSTTNN 121

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                                                                                                                              US-08-910-925-3
                                                               Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                Best
                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
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                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/910,925
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                           IMMEDIATE SOURCE:
LIBRARY: GenBank
                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS
                                                                                                                              LIBRARY: GELL
TONE: 1684847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: HUMAN PININ SPLICE VARIANT
                                                                              Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM CO
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE:
                                                                                                                                                                                                         STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE:
                                                                                                                                                                                                                                        ENGTH:
 319 VETGNQHNDVEIEEAGEEEEKEIGIVHSDAE------KEQEEEEQKQEMEVKMEE 367
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            253 LSRDLEASRAAKKELEANHOK 273
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        197 LKEDKQISDASRQGLSRDLEASRAAKKELEANHQKLEAEHQK----LKEDKQISDASRQG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     137 YOREVEKRYOEOLOKOOOLETEKOISEASRKSLSRDLEASRAAKKDLEAEHOKLEAEHOK 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       56 EEENKPTFDVSKK------KDNPQVNHSQLNESHRKEDLQREEHSQKSDSTKDV 103
                                12 LEKGYQFDGWEI--SGFEGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKPTFDVSKKK 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8 YKGELEKGYQFDGWEISGFEGKKDAGYVI--NLSKDTFIKPVFKK-----IEEKK 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94304
                                                                            Similarity
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                                                                                                                                                                                                                        amino acid
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3174 Porter Drive
                                                                                                                                                                                                                                      743 amino acids
                                                                                                                                                                                                                                                                                                      650-845-4166
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                                                               Conservative
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                                                                            12.0%; Score 78; DB 24.8%; Pred. No. 3.7;
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2; Mismatches
                                                                                                                                                                                                                                                                                                                                                    PF-0365 US
                                                               Mismatches
                                                                                              DB 3;
                                                               36;
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                                                                                              Length 743
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                               Indels
                                                               24;
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                                                               Gaps
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RESULT 24
US-08-209-603E-5
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; TYPE: PRT
; ORGANISM: Borrelia burgdorferi
US-09-196-293-5
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EARLIER FILING DATE: 1992-06-19
EARLIER APPLICATION NUMBER: WO PCT/EP90/02282
EARLIER FILING DATE: 1990-12-21
EARLIER APPLICATION NUMBER: DE P39 42 728.5
EARLIER FILING DATE: 1990-12-22
EARLIER FILING DATE: 1990-12-22
EARLIER FILING DATE: 1990-06-13
NUMBER OF SEQ ID NOS: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                    Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID NO 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Fuchs, Renate
APPLICANT: Motz, Manfred
APPLICANT: Soutscheck, E:
                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EARLIER APPLICATION NUMBER: US 08/209,603
EARLIER FILING DATE: 1994-03-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 738.001US2
CURRENT APPLICATION NUMBER: US/09/196,293
CURRENT FILING DATE: 1998-11-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Wilske, Bettina
                                                                                                                                                                                                                                                   APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                         TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" FLOPPY DISC
COMPUTER: AT&T - IBM COMPATIBLE
                                                                                                                                                                         CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                          COUNTRY: U
ZIP: 10016
                                                                                                CITY: NEW YORK
STATE: NY
                                                                                                                                 STREET:
                                                                                                                                                         ADDRESSEE:
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5. 6248538
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      45 KPVFKKIEEKKEEENKPTFDVSKKKDNPQVNHSQ-LN-ESHRKEDLQREEHSQKSDSTKD 102
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                                                                                                                                     99 PARK AVENUE
                                                                            USA
                                                                                                                                                                                                           SOUTSCHECK, ERWIN
VENTION: IMMUNOLOGICALLY ACTIVE PROTEINS
VENTION: FROM BORRELIA BURGDORFERI
                                                                                                                                                                                                                                                                      PREAC-MURSIC, VERA MOTZ, MANFRED
                                                                                                                                                                                                                                                                                                          FUCHS, RENATE WILSKE, BETTINA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                         BROOKS HAIDT HAFFNER & DELAHUNTY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ---TEVRESEKQQDSQPEEVMDVLEMVENVKHVIADQEVMETNRVESVEPSEN 418
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Active proteins from Borrelia burgdorferi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11.8%; Score 77;
31.3%; Pred. No.
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; PUBLICATION INFORMATION:
US-08-209-603E-5
                                                                                                                                                                                                                                                                                                                                                      RESULT 25
US-08-235-836C-70
                                                                                                                                                                                                                                                                                       Patent No. 6248302
                                                                                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 26; Conserv
COUNTRY: USA
ZIP: 11973
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (212) 697-3355
TELEFAX: (212) 557-5635
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                              APPLICANT: Dunn, Joh
APPLICANT: Luft, Ben
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         POSITION IN GENOME: FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IMMEDIATE SOURCE:
LIBRARY: DSM 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORIGINAL SOURCE:
ORGANISM: B. BURGDORFERI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
DESCRIPTION: PROTEIN
HYPOTHETICAL: N/A
                                                                                                                                                                           NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brookhave
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 19-JUN-1992
ATTORNEY/AGENT INFORMATION:
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FRAGMENT TYPE: N/A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: PCT/EP90/0228: FILING DATE: 21-DEC-1990 APPLICATION NUMBER: US 07/862,535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: FILING DATE: 10-MAI CLASSIFICATION: 43
                                                                                                                        CITY: Upton
STATE: NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: AMINO ACLU
TOPOLOGY: LINEAR
                                                                                                                                                            STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: ROBINSON, WILLIAM R. REGISTRATION NUMBER: 27,22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                            433 LEPVSEADKVDKISKSNNNEVSK 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               378 REIEKQIEIKKNDE-----ELFKNKDHKALDLKQELNSKASSKEKIEGEEEDKELDSKKN 432
                                                                                                                                                                                                                                                                                                                                                                                                                                                             103 V-TATVLDKUNISSKSTTUNPUK 124
                                                                                                                                                                                                                                                                                                                  70, Application US/08235836C
5. 6248562
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Luft, Benjam:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                               Brookhaven National Laboratory
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                                                                                                                                                                                                                       Benjamin J.

N: No. 6248562el Chimeric Proteins Comprising
N: Borrelia Polypeptides and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11.8%;
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                                                                                                                                                                                                               144
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N/A
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Pred. No. 4.1;
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   Version #1.25
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CURRENT APPLICATION DATA:

APPLICATION NUMBER:

29-APR-1994

US/08/235,836C

US 08/148,191

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RESULT 26
US-08-235-836C-78
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATA:
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US
APPLICATION NUMBER: US
11-193
                                                                                   CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UNMBER: US 08/148
FILING DATE: 01-11-93
ATTORNEY/AGENT INFORMATION:
NAME: BOGOSIAN, Margaret C.
REGISTRATION NUMBER: 25,324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: (516) 282-3729 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 663 amino acids
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REGISTRATION NUMBER: 25,324
REFERENCE/DOCKET NUMBER: BNL93-28A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 282-7338
                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
REFERENCE/DOCKET NUMBER: BNL93-28A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 282-7338
TELEFAX: (516) 282-3729
FORMATION FOR SEQ ID NO: 78:
                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                 CITY: Upton
STATE: NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
                                                                                                                                                                                                       FILING DATE: 29-APR-1994
                                                                                                                                                                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                 ZIP: 11973
                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Brookhaven National Laboratory
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Therefor
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                                       RESULT 28
US-09-134-001C-3242
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LENCYH: 663
TYBE: PRT
ORGANISM: Borrelia burgdorferi
Sequence 3242, Application US/09134001C Patent No. 6380370
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Best Local Similarity
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PRIOR FILING DATE: 1990-12-21
PRIOR APPLICATION NUMBER: DE P40 18 988.0
PRIOR FILING DATE: 1990-06-13
PRIOR APPLICATION NUMBER: DE P39 42 728.5
PRIOR APPLICATION NUMBER: DE P39 42 728.5
PRIOR PILING DATE: 1989-12-22
NUMBER OE SEO TO NOT
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PRIOR FILING DATE: 1998-11-19
PRIOR APPLICATION NUMBER: US 08/209,603
PRIOR FILING DATE: 1994-03-10
PRIOR APPLICATION NUMBER: US 07/862,535
PRIOR FILING DATE: 1992-06-19
PRIOR FILING DATE: 1992-06-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/711,546
CURRENT FILING DATE: 2000-11-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE:
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                                                                                                                                                                                                                                                                                       Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          378 REIEKQIEIKKNDE-----ELFKNKDHKALDLKQELNSKASSKEKIEGEEEDKELDSKKN 432
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                                                                                                                   433 LEPVSEADKVDKISKSNNNEVSK 455
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milarity 31.3%; Pred. No. 4.
Conservative 20; Mismatche
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GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al

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                                                                                                                      PCT-US93-07261-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 11, Application GENERAL INFORMATION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3242
LENGTH: 1151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                        Matches
                                                       Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
                                                                                                                                                                                                                                     TELEFAX: 201-822-7039 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Flopy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: Microsoft Word 5.1a
                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1933805
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/927,531
FILING DATE: 07-AUG-1992
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION: TELEPHONE: 201-822-7398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOPTWARE: Microsoft WC
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: John H. C. Blasdale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                   NAME: Blasdale, John H. REGISTRATION NUMBER: 31 REFERENCE/DOCKET NUMBER:
                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
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                                                                                                                                                                                              ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       496 DR---
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  49 KKIEEKKEEENKPTFDVSKKKD-----NPQVNHSQLNESHRKEDLQREE-HSQKSD 98
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11.8%; Score 76.5; I
26.1%; Pred. No. 9.6;
tive 15; Mismatches
                                                         11.8%; Score 76.5; 26.5%; Pred. No. 15;
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                                                                         Length 1588;
                                        Indels
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                                                                                                                          RESULT 31
US-08-137-175A-6
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                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                             Patent No.
                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 201-822-7039 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
                                                            GENERAL INFORMATION:
APPLICANT: BARBOU
                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: DX TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintos
SOFTWARE: Microsoft Word i
CURRENT APPLICATION DATA:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 07/927,531 FILING DATE: 07-AUG-1992 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
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                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
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TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN:
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                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
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                                                                                46, ALE
No. 5777095
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                                                                                                                                                                                                                                                                                        49 KKIEEKKEEENKPTFDVSKKKD-----NPQVNHSQLNESHRKEDLQREE-HSQKSD 98
                                                                                                                                                                                                                                                        24 KKLKEQKKNDAQKAKDLTKKESQDSSSEKSLKEKVNGEALKEKENKETLKKKELENQKEK 83
                                                                                                                                                                                                                                                                                                                        22;
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                                                                                                         Application US/08137175A
                                                                                                                                                                                          EEKN---KIKDNNDEALKNKGND 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Application PC/TUS9307261
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          HANSSON, Lennart
VENTION: IMPROVEMENT
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                                              BERGSTROEM, Sven
                                                            BARBOUR, Alan G.
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PROPHYLAXIS
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                                                                                                                                                                                                                                                                                                                      20; Mismatches
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Pred. No. 16;
                IN BORRELIA BURGDORFERI AND
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NUMBER OF SEQUENCES: 2

ADDRESSEE:

419 Seventh Street, N.W., Suite 300

BROWDY AND NEIMARK

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US-08-479-017-6
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Best Local Similarity 27.5
Matches 36; Conservative
                                                                                                                                                                                                                                                                  Sequence 6, Application US/08479017 Patent No. 6143872
                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: BARBOU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
                                                                                                                                                                  APPLICANT: BERGSTROE APPLICANT: HANSSON, TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                              NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: 1i
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PRIOR APPLICATION DATA:
APPLICATION UNMBER: PCT/US92/08972
APPLING DATE: 22-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: CORPET TYPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 41.
CITY: Washington
STATE: D.C.
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                  CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 28,005
REFERENCE/DOCKET NUMBER: BA
                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: 202-628-51
TELEFAX: 202-737-3528
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                                                                                                                                                                                                                                                                                                                                                                                                    103 VTATVLDKUNI 113
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                                                     USA
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                                                                                                                                                                                                                                     BARBOUR,
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27.5%; Pred. No. 2.1;
ative 18; Mismatches
                                                                                                                                                                IMPROVEMENT IN PROPHYLAXIS
                                                                                                                                                                                                                                   Alan G.
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                                                                                                    Suite 300
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                                                                                                                                     ; ORGANISM: Staphylococcus epidermidis US-09-134-001C-3033
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                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3033
LENGTH: 442
                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: LYNN DOUGETTE-Stamm et al
APPLICANT: LYNN DOUGETTE-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 3033, Application US/09134001C Patent No. 6380370
                                                                          Query Match
Best Local Similarity
                                                          Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                          FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 60/055,779 PRIOR FILING DATE: 1997-08-14
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APPLICATION NUMBER: US/08/
FILING DATE: 26-OCT-1993
APPLICATION NUMBER: PCT/US
FILING DATE: 22-OCT-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                           TYPE: PRT
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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REGISTRATION NUMBER: 28,005
REFERENCE/DOCKET NUMBER: BA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          182 TKAVETLKNGI 192
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10 GELEKG----YQFDGWEISG--FEGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENK--- 60
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                                                          Conservative
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                                                        11.6%; Score 75.5; D
23.0%; Pred. No. 3.5;
:ive 21; Mismatches
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Pred. No. 2.
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                                                                                               DB 4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              42;
                                                          50; Indels 43;
                                                                                               Length 442;
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                                                            Gaps
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US-08-903-801-1
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                                                                                                                                                                                    Matches
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Patent No. 5932712
                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415.855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                      IMMEDIATE SOURCE:
LIBRARY: PROSNONO1
                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 536 PRIOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOPTWARE: FastSEQ for Windows Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                      LIBRARY: PROSN
CLONE: 2272281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM COR
OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 415-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
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          106 TVLDKNNISSKSTTNNPNK 124
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                                                                                                                                                                                    34; Conservative
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                                                RDEEKAKLRKLKEKEELETGKKDQSKQKESQRKFEEETVKSKVTVDTGVIPASEEKAETP 216
                                                                              TFD----VSKKKDNPQVNHSQLNESHRKEDLQR-EEHSQKSDSTKDV-----TA 105
                                                                                                                DEFLQSRKGQKKNQKNKPGPNIESGNEDDDASFK-----IKTVAQKKAEKKERERKK 156
                                                                                                                                                  DFILPVYKGELEKGYQFDGWEISGFEGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKP 61
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                                                                                                                                                                                                                                                                                                                         linear
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                                                                                                                                                                                                    11.5%; Score 75; DB 24.5%; Pred. No. 2.3;
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                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                    DB 2;
                                                                                                                                                                                    62;
                                                                                                                                                                                                                Length 290
                                                                                                                                                                                    Indels
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                                              RESULT 36
US-08-533-669A-18
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US-09-295-055-1
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          Sequence 18, Application US/08533669A Patent No. 5834592
                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                           Query Match
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APPLICANT: Hillman, Jennif,
APPLICANT: Corley, Neil C.

APPLICANT: Shah, Purvi
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                             IMMEDIATE SOURCE:
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CLONE: 2272281
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
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                                                                                                                   217 TAAEDDNEGDKKKKDKKKK 235
                                                                                                                                                  106 TVLDKNNISSKSTTNNPNK 124
                                                                                                                                                                                    157 RDEEKAKLRKLKEKEELETGKKDQSKQKESQRKFEEETVKSKVTVDTGVIPASEEKAETP 216
                                                                                                                                                                                                                                                       105
                                                                                                                                                                                                                    62 TFD----VSKKKDNPQVNHSQLNESHRKEDLQR-BEHSQKSDSTKDV-----TA 105
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                                                                                                                                                                                                                                                                                       2 DFILPVYKGELEKGYQFDGWEISGFEGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKP 61
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3174 Porter Drive
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                                                                                                                                                                                                                                                                                                                                           Score 75; DB Pred. No. 2.3;
                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                           DB 3;
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                                                                                                                                                                                                                                                                                                                                                           Length 290;
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (206) 682-6031 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCE ADDRESS:
CORRESPONDENCE ADDRESS:
CORRESPONDENCE SEED and BERRY LLP
                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                     APPLICANT: Dillon, Davin C.
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USEIN THE THERAPY AND
NUMBER OF SEQUENCES: 87
                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local
         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Seattle
                                                                                                          COUNTRY: USA
ZIP: 98104-7092
                                                                                                                                                                                 STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 22-SEP-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          207 VKKHSQFIGYPITLFVEKERDK----EVSDD-----EAEEKEDKEEEKEKEEKESED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 255 KPEI-----EDVGSDEEDEKKDGDKKKKKKIKEKYIDKEELNKTKPIWTRNPD 302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12 LEKGYQFDGWEISGF-EGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKPTFDVSKKKD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     71 NPQVNHSQLNESHRKEDLQREEHSQKSD----STKDVTATVLDKNNISSKST--TNNPN 123
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                                                                                                                                           Washington
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                                                                                                                                                                               E: SEED and BERRY LLP 6300 Columbia Center,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              732 amino acids
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VENTION: LEISHMANIA ANTIGENS FOR USE IN THE
THERAPY AND DIAGNOSIS OF LEISHMANIASIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11.5%;
ilarity 22.7%;
Conservative 2
                                                                                                                                                                                                                                                                                                               Webb, John
                                                                                                                                                                                                                                                                                                                               Campos-Neto,
                                                                                                                                                                                                                                                                                                                                                    Reed, Steven G.
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                                                                                                                                                                             701 Fifth Avenue
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US-09-022-765-18
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Best Local Similarity 24...
27; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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                                   TELEFAX: (206) 682-6031 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/0
FILING DATE: 12-FEB-1998
                                                                                                                                                                                                 SOFTWARE: PATERICIA NO. CURRENT APPLICATION DATA:
CURRENT APPLICATION NUMBER: US/09/022,765
                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                   SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
                                                                                                                                      ATTORNEY/AGENT INFORMATION: NAME: Maki, David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                   TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                TUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                              CITY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
                                                                                                   NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 21
                                                                                                                                                                                      APPLICATION NUMBER: US/0
FILING DATE: 12-FEB-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Maki, David J. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/09/183,861 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                              STREET:
                                                                     TELEPHONE:
                                                                                                                                                                          CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
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ENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          71 NPQVNHSQLNESHRKEDLQREEHSQKSD----STKDVTATVLDKNNISSKST--TNNPN 123
                                                                                                                                                                                                                                                                                                                               98104-7092
                                                                                                                                                                                                                                                                                                                                                           Seattle
: Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/09022765
                                                                                                                                                                                                                                                                                                                                                                                              6300 Columbia Center,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    732 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Dillon, Davin C.
Skeiky, Yasir A.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Campos-Neto,
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   amino acids
                                                                     (206)
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                                                                     622-4900
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22.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LEISHMANIA ANTIGENS FOR USEIN THE THERAPY AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09/022,765
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                                                                                                      210121.420C3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 75; |
Pred. No. 7
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                                                                                                                                                                                                                                                                                                                                                                                                  701 Fifth Avenue
                                                                                                                                                                                                                                             Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 4; Length 732;
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STRANDEDNESS:

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FILE REFERENCE: 210121.420C5
CURRENT APPLICATION NUMBER: US/09/551,974A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 101
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 732
TYPE: PRT
ORGANISM: Homo sapien
                                                               NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 8222
LENGTH: 112
TYPE: PRT
ORGANISM: Acinetobacter baumannii
US-09-328-352-8222
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US-09-551-974A-18
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                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 40
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                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: GARY L. BECTON et al.
APPLICANT: GARY L. BECTON et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18, Application US/09551974A Patent No. 6500437
                                                                                                                                                                                                                                                                                                                                                              Sequence 8222, Application US/09328352 Patent No. 6562958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Dillon, Davin C.
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF LEISHMANIASIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           27; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       255 KPEI-----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12 LEKGYQFDGWEISGF-EGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKPTFDVSKKKD 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               71 NPQVNHSQLNESHRKEDLQREEHSQKSD----STKDVTATVLDKNNISSKST--TNNPN 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12 LEKGYOFDGWEISGF-EGKKDAGYVINLSKDTFIKPVFKKIEEKKEEENKPTFDVSKKKD 70
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Webb, John R.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11.5%; Score 75; DB 4; Length 732; 22.7%; Pred. No. 7.7; ative 25; Mismatches 37; Indels 30;
  11.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -EDVGSDEEDEKKOGDKKKKKKIKEKYIDKEELNKTKPIWTRNPD 302
Score 74.5; DB Pred. No. 0.73;
                     DB 4;
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                     Length 112;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 254
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                                                                                                                Matches
                            110 KNNIS--SKSTTNNPNK 124
96 HSQMSEMDHSKMNMPNK 112
                                                        47 KVNSKAQEKCKKPCDMKDGKENQQ-NHSQHDHS-QMSDMSQMDHSKMMN---
                                                                                   50 KIEEKKEEENKPTFDVSKKKDNPQVNHSQLNESHRKEDLQREEHSQKSDSTKDVTATVLD 109
                                                                                                                23;
                                                                                                                Conservative
                                                                                                                15;
                                                                                                                Mismatches
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                                                                                                               Indels
                                                                                                                13;
                                                           ----MD 95
                                                                                                                Gaps
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Search completed: February 10, 2004, 10:59:55 Job time: 9.19881 secs

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